

IN THE CLAIMS

1 1. (original) A network router comprising:
2 a processor;
3 a port operable for coupling the processor to a WAN;
4 a port operable for coupling the processor to a LAN;
5 a smart card reader coupled to the processor;
6 circuitry operable for reading data from a smart card inserted into the smart card reader,
7 wherein the data includes information on how to dial up a data processing system over the WAN;
8 and
9 circuitry operable for dialing up the data processing system over the WAN using the
10 information.

1 2. (original) The network router as recited in claim 1, wherein the data processing system is
2 associated with an ISP, and wherein the information includes the phone number of the ISP.

1 3. (original) The network router as recited in claim 2, wherein the data includes networking
2 parameters read by the ISP to configure a connection between the router and the data processing
3 system.

1 4. (original) The network router as recited in claim 2, further comprising:
2 circuitry operable for receiving from the data processing system over the WAN configuration
3 information; and
4 circuitry operable for writing the configuration information onto the smart card via the smart
5 card reader.

1 5. (original) The network router as recited in claim 4, wherein the configuration information
2 includes a PPP user ID and password.

1 6. (original) The network router as recited in claim 4, wherein the configuration information
2 includes a local phone number for dialing up the ISP.

1 7. (original) The network router as recited in claim 5, further comprising:
2 circuitry operable for permitting a plurality of computers coupled to the router via the LAN to
3 access the ISP using the configuration information.

1 8. (original) The network router as recited in claim 1, further comprising:
2 circuitry operable for establishing a connection between the router and the data processing
3 system; and
4 circuitry operable for channeling the connection to a specified virtual private network.

1 9. (original) The network router as recited in claim 8, further comprising:
2 circuitry operable for permitting access on the virtual private network only at a security level
3 specified in the information on the smart card.

1 10. (original) The network router as recited in claim 1, wherein the WAN is an Intranet.

1 11. (original) The network router as recited in claim 10, further comprising:
2 circuitry operable for permitting access to the Intranet as a function of security information
3 stored on the smart card.

1 12. (original) A network router comprising:
2 a processing means;
3 means for coupling the processing means to a WAN;
4 means for coupling the processing means to a LAN;
5 means for reading and writing a smart card coupled to the processing means;

6 means for reading data from the smart card inserted into the smart card reading means,
7 wherein the data includes information on how to dial up a data processing system over the WAN;
8 and

9 means for dialing up the data processing system over the WAN using the information.

1 13. (original) The network router as recited in claim 12, wherein the data processing system is
2 associated with an ISP, and wherein the information includes the phone number of the ISP.

1 14. (original) The network router as recited in claim 13, wherein the data includes networking
2 parameters read by the ISP to configure a connection between the router and the data processing
3 system.

1 15. (original) The network router as recited in claim 13, further comprising:

2 means for receiving from the data processing system over the WAN configuration
3 information; and

4 means for writing the configuration information onto the smart card via the smart card
5 writing means.

1 16. (original) The network router as recited in claim 15, wherein the configuration information
2 includes a PPP user ID and password.

1 17. (original) The network router as recited in claim 15, wherein the configuration information
2 includes a local phone number for dialing up the ISP.

1 18. (original) The network router as recited in claim 16, further comprising:

2 means for permitting a plurality of computers coupled to the router via the LAN to access the
3 ISP using the configuration information.

1 19. (original) The network router as recited in claim 12, further comprising:
2 means for establishing a connection between the router and the data processing system; and
3 means for channeling the connection to a specified virtual private network.

1 20. (original) The network router as recited in claim 19, further comprising:
2 means for permitting access on the virtual private network only at a security level specified in
3 the information on the smart card.

1 21. (original) The network router as recited in claim 12, wherein the WAN is an Intranet.

1 22. (original) The network router as recited in claim 21, further comprising:
2 means for permitting access to the Intranet as a function of security information stored on the
3 smart card.

1 23. (original) A method for using a network router comprising the steps of:
2 inserting a smart card into a smart card reader coupled to a processor in the router;
3 reading data from the smart card inserted into the smart card reader, wherein the data includes
4 information on how to dial up a data processing system over a WAN; and
5 dialing up the data processing system over the WAN using the information.

1 24. (original) The method as recited in claim 23, wherein the data processing system is
2 associated with an ISP, and wherein the information includes the phone number of the ISP.

1 25. (original) The method as recited in claim 24, wherein the data includes networking
2 parameters read by the ISP to configure a connection between the router and the data processing
3 system.

1 26. (original) The method as recited in claim 24, further comprising the step of:
2 receiving configuration information from the data processing system over the WAN; and
3 writing the configuration information onto the smart card.

1 27. (original) The method as recited in claim 26, wherein the configuration information includes
2 a PTP user ID and password.

1 28. (original) The method as recited in claim 26, wherein the configuration information includes
2 a local phone number for dialing up the ISP.

1 29. (original) The method as recited in claim 27, further comprising the step of:
2 permitting a plurality of computers coupled to the router via the LAN to access the ISP using
3 the configuration information.

1 30. (original) The method as recited in claim 23, further comprising the steps of:
2 establishing a connection between the router and the data processing system; and
3 channeling the connection to a specified virtual private network.

1 31. (original) The method as recited in claim 30, further comprising the step of:
2 permitting access on the virtual private network only at a security level specified in the
3 information on the smart card.

1 32. (original) The method as recited in claim 23, wherein the WAN is an Intranet.

1 33. (original) The method as recited in claim 32, further comprising the step of:
2 permitting access to the Intranet as a function of security information stored on the smart
3 card.

1 34. (original) A smart card adaptable for inserting into a smart card reader coupled to a processor
2 in a network router, the smart card comprising data stored on the smart card that includes
3 information usable by the network router on how to dial up a data processing system over a WAN.

1 35. (original) The smart card as recited in claim 34, wherein the data processing system is
2 associated with an ISP, and wherein the information includes the phone number of the ISP.

1 36. (original) The smart card as recited in claim 35, wherein the data includes networking
2 parameters read by the ISP to configure a connection between the router and the data processing
3 system.

1 37. (original) The smart card as recited in claim 35, further comprising circuitry operable for
2 receiving and storing configuration information onto the smart card.

1 38. (original) The smart card as recited in claim 37, wherein the configuration information
2 includes a PPP user ID and password.

1 39. (original) The smart card as recited in claim 37, wherein the configuration information
2 includes a local phone number for dialing up the ISP.

1 40. (original) The smart card as recited in claim 34, further comprising:
2 data stored on the smart card for establishing a connection between the router and the data
3 processing system; and

4 data stored on the smart card for channeling the connection to a specified virtual private
5 network.

1 41. (original) The smart card as recited in claim 40, further comprising:

2 data stored on the smart card for permitting access on the virtual private network only at a
3 security level specified in the information on the smart card.

1 42. (original) The smart card as recited in claim 34, wherein the WAN is an Intranet.

1 43. (original) The smart card as recited in claim 42, further comprising:

2 data stored on the smart card for permitting access to the Intranet as a function of security
3 information stored on the smart card.